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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV 26	MARPAT enhanced with FSORT command
NEWS	4	NOV 26	CHEMSAFE now available on STN Easy
NEWS	5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	6	DEC 01	ChemPort single article sales feature unavailable
NEWS	7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB 10	COMPENDEX reloaded and enhanced
NEWS	15	FEB 11	WTEXTILES reloaded and enhanced
NEWS	16	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants

Serial No.: 10/585041\_B

NEWS 25 MAR 11 ESBIODBASE reloaded and enhanced  
NEWS 26 MAR 20 CAS databases on STN enhanced with new super role  
for nanomaterial substances  
NEWS 27 MAR 23 CA/CAPplus enhanced with more than 250,000 patent  
equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009

=> file caplus, agricola, epfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 09:36:54 ON 25 MAR 2009

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FILE 'AGRICOLA' ENTERED AT 09:36:54 ON 25 MAR 2009

FILE 'EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

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=> s solid (3w) basic (3w) absorbent

L1 0 SOLID (3W) BASIC (3W) ABSORBENT

=> s solid (s) basic (s) absorbent

L2 86 SOLID (S) BASIC (S) ABSORBENT

=> s l2 and alumina

L3 25 L2 AND ALUMINA

=> s l3 and biodiesel

L4 1 L3 AND BIODIESEL

=> d l4 ibib abs

L4 ANSWER 1 OF 1 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2006:184604 EPFULL  
 ENTRY DATE PATENT: 20080416  
 ENTRY DATE PUBLICATION: 20080416  
 UPDATE DATE PUBLICAT.: 20080917  
 DATA UPDATE DATE: 20080917  
 DATA UPDATE WEEK: 200838  
 TITLE (ENGLISH): Process for hydrogenation of carboxylic acids and derivatives to hydrocarbons  
 TITLE (FRENCH): Procédé pour l'hydrogenation d'acides carboxyliques et dérivés en hydrocarbures  
 TITLE (GERMAN): Prozess zur Hydrierung von Carbonsäuren und Derivaten zu Kohlenwasserstoffen  
 INVENTOR(S): The designation of the inventor has not yet been filed  
 PATENT APPLICANT(S): BP OIL INTERNATIONAL LIMITED, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7BP, GB  
 PATENT APPL. NUMBER: 952883  
 AGENT: De Kezel, Eric, et al, BP International Limited Patents & Agreements Chertsey Road, Sunbury-on-Thames TW16 7LN, GB  
 AGENT NUMBER: 9201951  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPA1 Application published with search report  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1911735	A1	20080416
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR		
EXTENSION STATES:	AL BA HR MK RS		
APPLICATION INFO.:	EP 2006-255166	A	20061006
PRIORITY INFO.:	EP 2006-255166	A	20061006 *

## ABEN

A process for hydrogenating a carboxylic acid and/or derivative thereof having a carboxylate group represented by the general formula  $R^{<sup>1</sup>}COO^{<sup>-</sup>}$ , which process comprises feeding hydrogen and the carboxylic acid and/or derivative thereof to a reactor and maintaining conditions within the reactor such that hydrogen reacts with the carboxylic acid and/or derivative thereof to produce a product stream comprising carbon dioxide, carbon monoxide, methane and hydrocarbons represented by general formulae  $R^{<sup>1</sup>}H$  and  $R^{<sup>1</sup>}CH_3$ , characterised in that the molar ratio of  $R^{<sup>1</sup>}H$  :  $R^{<sup>1</sup>}CH_3$  is above a pre-determined value and/or the mole ratio of the sum of carbon dioxide, carbon monoxide and methane to carboxylate groups is above a pre-determined value.

=&gt; d his

(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1 0 S SOLID (3W) BASIC (3W) ABSORBENT

Serial No.: 10/585041\_B

L2 86 S SOLID (S) BASIC (S) ABSORBENT  
L3 25 S L2 AND ALUMINA  
L4 1 S L3 AND BIODIESEL

=> s l2 and (fatty (w) acid (w) methyl (w) ester)  
L5 0 L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s (FATTY (W) ACID (W) METHYL (W) ESTER) (s) (solid (3w) absorbent)  
L6 0 (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBENT)

=> l2 and transesterification  
L2 IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l2 and transesterification  
L7 0 L2 AND TRANSESTERIFICATION

=> s l2 and esterification  
L8 2 L2 AND ESTERIFICATION

=> d l8 1-2 ibib abs

L8 ANSWER 1 OF 2 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2005:13068 EPFULL  
ENTRY DATE PATENT: 20051006  
ENTRY DATE PUBLICATION: 20061025  
UPDATE DATE PUBLICAT.: 20080725  
DATA UPDATE DATE: 20080723  
DATA UPDATE WEEK: 200830  
TITLE (ENGLISH): THERMOPLASTIC ELASTOMER COMPOSITION AND MOLDED ARTICLE  
TITLE (FRENCH): COMPOSITION ELASTOMERE THERMOPLASTIQUE ET ARTICLE MOULE  
TITLE (GERMAN): THERMOPLASTISCHE ELASTOMERZUSAMMENSETZUNG UND  
FORMKOERPER  
INVENTOR(S): TANIGUCHI, Akio, 5-2-23-C402, Torikainishi, Settsu-shi,  
Osaka, 5660072, JP; CHIBA, Takeshi, 4-3-8-410,  
Wakinohamakaigandori, Chuo-ku, Kobe-shi, Hyogo 6510073,  
JP  
PATENT APPLICANT(S): KANEKA CORPORATION, 2-4, Nakanoshima 3-chome Kita-ku,  
Osaka-shi, Osaka 530-8288, JP  
PATENT APPL. NUMBER: 1903030  
AGENT: Vossius & Partner, Siebertstrasse 4, 81675 Muenchen, DE  
AGENT NUMBER: 100314  
DOCUMENT TYPE: Patent  
LANGUAGE OF FILING: Japanese  
LANGUAGE OF PUBL.: English  
LANGUAGE OF PROCEDURE: English  
LANGUAGE OF TITLE: German; English; French  
PATENT INFO TYPE: EPA1 Application published with search report  
PATENT INFORMATION:  
PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

	EP 1714993	A1 20061025
	-----	
	WO 2005073270	20050811
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT	
	LI LT LU MC NL PL PT RO SE SI SK TR	
APPLICATION INFO.:	EP 2005-709268	A 20050124
	WO 2005-JP824	A 20050124
PRIORITY INFO.:	JP 2004-23898	A 20040130

## ABEN

The present invention provides an acrylic block copolymer composition improving melt flowability at molding and being excellent in heat resistance in addition to maintain weather resistance, chemical resistance, adhesivity, flexibility and abrasion resistance which are the characteristics of the acrylic block copolymer. It is attained by a thermoplastic elastomer composition comprising an acrylic block copolymer (A) which comprises a methacrylic polymer block (a) and an acrylic polymer block (b), wherein at least one of polymer blocks among the methacrylic polymer block (a) and the acrylic polymer block (b) has a functional group (X), and a compound (B) containing 1.1 or more of functional groups (Y) in one molecule.

L8 ANSWER 2 OF 2 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2001:144185 EPFULL  
 ENTRY DATE PUBLICATION: 20060426  
 UPDATE DATE PUBLICATION: 20090114  
 DATA UPDATE DATE: 20090114  
 DATA UPDATE WEEK: 200903  
 TITLE (ENGLISH): Linen fibers comprising O-alkylated cellulose and process for the preparation thereof  
 TITLE (FRENCH): Fibres de lin comprenant des ethers cellulosiques O-alkyles et procede de preparation  
 TITLE (GERMAN): Leinenfasern, die O-alkylierte Celluloseether enthalten, und Verfahren zu deren Herstellung  
 INVENTOR(S): Comoli, Maura, via Ferrante Aporti 12, 20125 Milano, IT; Gastaldi, Giuseppe, via casa S. Fermo 5, 27044 Canneto Pavese (PV), IT; Torri, Giangiacomo, via Colombo 81A, 20131 Milano, IT; Vismara, Elena, via G. Colombo 81A, 20131 Milano, IT  
 PATENT APPLICANT(S): Linificio e Canapificio Nazionale S.p.A., via Andre Ponti 6, 24045 Fara Gera d'Adda (BG), IT  
 PATENT APPL. NUMBER: 3370730  
 AGENT: Serravalle, Marco, et al, Serravalle Sas Corso Roma, 120, 26900 Lodi (LO), IT  
 AGENT NUMBER: 9351081  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: Italian  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	-----		
	EP 1260522	B1	20060426
DESIGNATED STATES:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR		

APPLICATION INFO.:	EP 2001-830331	A	20010523
PRIORITY INFO.:	EP 2001-830331	A	20010523 *
CITED PATENT LIT.:	WO 8909643	A	
	FR 2774380	A	
	JP 10251301	A	
	US 2057163	A	
	US 3903076	A	
	US 5001232	A	

ABEN

The invention concerns an O-alkylated cellulose I of formula I

(image, 8000.1, chemical formulae)

wherein

n is an integer from 100 to 100,000

R is a hydrogen, a group of formula AX in which A is a bivalent bridging radical comprising from 1 to 100 carbon atoms and, optionally, from 1 to 50 heteroatoms selected among halogens, oxygen, nitrogen, sulphur, boron, phosphorus and silicon, and

X is a hydrogen, a functional group selected among vinyl, aziridino, epoxy, glycidyl, halo, acyloxy, alkylsulphonate, arylsulphonate, trialkylsiloxy, sulphate, phosphate, ethynyl, amino, mono-, di- amino, trialkylammonium, carboxy, sulphonic, phosphonic, formyl, alkylsulphonylamino, arylsulphonylamino, aminosulphonyl, acylamino, imino, mono-, di(carboxyalkyl)imino, guanidino, nitro, cyano, alkoxy carbonyl, aminocarbonyl, thioureido, mercapto, aminomethylphosphonic, alkylthio groups or an O-cellulose I radical derived from formula I;

provided that AX groups are present in a AX/n ratio from 0.0001 to 3.

Also provided is a process for the preparation of said O-alkylated celluloses.

=> d his

(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1	0 S SOLID (3W) BASIC (3W) ABSORBENT
L2	86 S SOLID (S) BASIC (S) ABSORBENT
L3	25 S L2 AND ALUMINA
L4	1 S L3 AND BIODIESEL
L5	0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
L6	0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE
L7	0 S L2 AND TRANSESTERIFICATION
L8	2 S L2 AND ESTERIFICATION

=> s basic (3w) alumina

L9 1532 BASIC (3W) ALUMINA

=> s l9 and (FATTY (W) ACID (W) METHYL (W) ESTER)

1 FILES SEARCHED...

L10 3 L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> d l10 1-3 ibib abs

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1971:459585 CAPLUS  
 DOCUMENT NUMBER: 75:59585  
 ORIGINAL REFERENCE NO.: 75:9399a,9402a  
 TITLE: Analysis of Krebs cycle and related acids in guinea pig tissues by gas-liquid chromatography  
 AUTHOR(S): Mensen de Silva, Esther  
 CORPORATE SOURCE: Dep. Physiol. Sci., Univ. Peru. Cayetano Hered., Lima, Peru  
 SOURCE: Analytical Chemistry (1971), 43(8), 1031-5  
 CODEN: ANCHAM; ISSN: 0003-2700  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB Acids of the Krebs cycle were determined in the heart, skeletal muscle, liver, and kidney of guinea pigs by gas-liquid chromatog. (GLec). Tissue samples of 0.5-2 g were first extracted with a MeOH-H<sub>2</sub>O-H<sub>2</sub>SO<sub>4</sub> solution. Purification of the extract was made by eluting the organic acids with ether from a 25-g column made of a mixture of Celite, anhydrous Na<sub>2</sub>SO<sub>4</sub>, and the extract. The organic acids were collected on a 1-g column of basic alumina placed below the Celite column, and the acids were methylated by treating the alumina with BF<sub>3</sub>-MeOH. Fatty acid Me esters were separated as a group from the Krebs-cycle Me esters by extraction into heptane. The Me esters were completely separated in 14 min using temperature programming on a 3-foot + 1-mm column packed with 5% polyethylene glycol adipate on silanized Celite. The response of the hydrogen flame ionization detector was linear for 1- $\mu$ l samples containing 0.1-2.5  $\mu$ g of each Me ester. Mean recoveries of stds. from distilled water and tissues were similar, but varied for each individual acid from 40.9-96.0%.

L10 ANSWER 2 OF 3 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2001:99228 EPFULL  
 UPDATE DATE PUBLICAT.: 20071031  
 DATA UPDATE DATE: 20071031  
 DATA UPDATE WEEK: 200744  
 TITLE (ENGLISH): Electrophotographic photoreceptor and image forming method and apparatus using the photoreceptor  
 TITLE (FRENCH): Photorecepteur electrophotographique, procede pour sa fabrication, ainsi que procede et appareil de production d' image utilisant le photorecepteur  
 TITLE (GERMAN): Elektrophotographischer Photorezeptor, Verfahren zur Herstellung des Photorezeptors, und bildformendes Verfahren sowie Apparat worin der Photorezeptor eingesetzt wird  
 INVENTOR(S): Tamoto, Nozomu, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Suzuki, Tetsuro, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Tamura, Hiroshi, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Niimi, Tatsuya, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Matsuyama, AKihiko, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Kurimoto, Eiji, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo

PATENT APPLICANT(S): 143-8555, JP; Kami, Hidetoshi, Ricoh Comp.Ltd., 3-6, Nakamagome, 1-chome, Ohta-ku, Tokyo 143-8555, JP  
 PATENT APPL. NUMBER: 209037  
 AGENT: Barz, Peter, Patentanwalt Kaiserplatz 2, 80803 Muenchen, DE  
 AGENT NUMBER: 1467  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPA1 Application published with search report  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1205808	A1	20020515
DESIGNATED STATES:	DE FR GB IT NL		
APPLICATION INFO.:	EP 2001-126106	A	20011102
PRIORITY INFO.:	JP 2000-340884	A	20001108
	JP 2000-342902	A	20001110
	JP 2001-255906	A	20010827
	JP 2001-312206	A	20011010

ABEN

An electrophotographic photoreceptor including an electroconductive substrate, a photosensitive layer located overlying the electroconductive substrate, and optionally a protective layer overlying the photosensitive layer, wherein an outermost layer of the photoreceptor includes a filler, a binder resin and an organic compound having an acid value of from 10 to 700 mgKOH/g. The photosensitive layer can be the outermost layer. A coating liquid for an outermost layer of a photoreceptor including a filler, a binder resin, an organic compound having an acid value of from 10 to 700 mgKOH/g and plural organic solvents. A method for preparing a photoreceptor including forming a photosensitive layer, and coating the coating liquid on the photosensitive layer. An image forming method and apparatus and a process cartridge using the photoreceptor are also provided.

L10 ANSWER 3 OF 3 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1996:68792 EPFULL  
 ENTRY DATE PUBLICATION: 20050622  
 UPDATE DATE PUBLICATION: 20050622  
 DATA UPDATE DATE: 20050622  
 DATA UPDATE WEEK: 200525  
 TITLE (ENGLISH): PROCESS FOR THE PREPARATION OF MATERIALS WITH A HIGH CONTENT OF ISOMERS OF CONJUGATED LINOLEIC ACID  
 TITLE (FRENCH): PROCEDE DE PREPARATION DE MATIERES PRESENTANT UNE FORTE TENEUR EN ISOMERES D'ACIDE LINOLEIQUE CONJUGUE  
 TITLE (GERMAN): PROZESS FUEr DIE PRAePARATION VON SUBSTANZEN MIT HOHEM GEHALT AN ISOMEREN VON KONJUGIERTE LINOeLSAeURE  
 INVENTOR(S): CAIN, Frederick, William, Loders Croklaan B.V., Hogeweg 1, NL-1521 AZ Wormerveer, NL; MOORE, Stephen, Raymond, Unilever Research Colworth Lab., Colworth House, Sharnbrook, Bedford MK44 1LQ, GB; McNEILL, Gerald, Patrick, Unilever Research Colworth Lab., Colworth



Serial No.: 10/585041\_B

House, Sharnbrook, Bedford MK44 1LQ, GB; ZWEMMER, Olga,  
Loders Croklaan B.V. Hogeweg 1, NL-1521 AZ Wormerveer,  
NL  
PATENT APPLICANT(S): LODERS CROKLAAN B.V., Hogeweg 1, 1521 AZ Wormerveer,  
NL  
PATENT APPL. NUMBER: 1615171  
AGENT: Stevens, Ian Edward, Eric Potter Clarkson, Park View  
House, 58 The Ropewalk, Nottingham NG1 5DD, GB  
AGENT NUMBER: 78682  
DOCUMENT TYPE: Patent  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
LANGUAGE OF PROCEDURE: English  
LANGUAGE OF TITLE: German; English; French  
PATENT INFO TYPE: EPB2 Amended patent  
PATENT INFORMATION:  
PATENT INFORMATION:

	NUMBER	KIND	DATE
	NUMBER	KIND	DATE
	EP 866874	B2	20050622
	WO 9718320		19970522
DESIGNATED STATES:	AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE		
APPLICATION INFO.:	EP 1996-939054	A	19961112
	WO 1996-EP5024	A	19961112
PRIORITY INFO.:	EP 1995-308228	A	19951114
CITED PATENT LIT.:	EP 442558	A	
	EP 579901	A	
	WO 9009110	A	
	WO 9417672	A	
	US 4164505	A	
CITED NON PATENT LIT.:	(1) Chin S F et al., J.Food Comp.Anal., vol.5, 1992, p.185 - 197		

=> d his

(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1 0 S SOLID (3W) BASIC (3W) ABSORBENT  
L2 86 S SOLID (S) BASIC (S) ABSORBENT  
L3 25 S L2 AND ALUMINA  
L4 1 S L3 AND BIODIESEL  
L5 0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)  
L6 0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE  
L7 0 S L2 AND TRANSESTERIFICATION  
L8 2 S L2 AND ESTERIFICATION  
L9 1532 S BASIC (3W) ALUMINA  
L10 3 S L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s l9 and biodiesel

L11 1 L9 AND BIODIESEL

=> d l11 ibib abs

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2006:733055 CAPLUS  
 DOCUMENT NUMBER: 145:170659  
 TITLE: Manufacture of fatty acid alkyl esters, and fuels  
 containing them  
 INVENTOR(S): Hayafuji, Shigeto  
 PATENT ASSIGNEE(S): CDM Consulting Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	----	-----	-----
JP 2006193497	A	20060727	JP 2005-9052	20050117
PRIORITY APPLN. INFO.:			JP 2005-9052	20050117

AB Fatty acid alkyl esters, useful for biodiesel fuels, are manufactured by esterification of free fatty acid-containing oils with alcs. and treatment of the reaction products with basic adsorbents to remove unreacted free fatty acids for purification of the products. Thus, palmitic acid and MeOH were mixed at a molar ratio of 20:1 and esterified at 290° and 20 MPa for 15 min to give a reaction mixture, which was passed through a column packed with basic alumina for adsorptive removal of unreacted palmitic acid, treated with a column packed with activated clay, centrifuged, and decompressed to give Me palmitate of 99.7% purity and acid value 0.05 in 97.8% yield.

=> s basic (3w) clay  
 L12 358 BASIC (3W) CLAY

=> s l12 and (FATTY (W) ACID (W) METHYL (W) ESTER)  
 L13 0 L12 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s basic (w) silica  
 L14 244 BASIC (W) SILICA

=> s l14 and (FATTY (W) ACID (W) METHYL (W) ESTER)  
 L15 4 L14 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> d l15 1-4 ibib abs

L15 ANSWER 1 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1996:52586 EPFULL  
 UPDATE DATE PUBLICAT.: 20080206  
 DATA UPDATE DATE: 20080206  
 DATA UPDATE WEEK: 200806  
 TITLE (ENGLISH): PROCESS FOR THE PREPARATION OF HYDROXYALKYLAMIDES  
 TITLE (FRENCH): PROCEDE DE PREPARATION D'HYDROXYALKYLAMIDES  
 TITLE (GERMAN): VERFAHREN ZUR HERSTELLUNG VON HYDROXYALKYLAMIDEN  
 INVENTOR(S): DERY, Maurice, 43 Park Drive, Putnam Valley, NY 10579,  
 US; BROLUND, Nils, Merianstrasse 16, D-52351 Dueren, DE  
 PATENT APPLICANT(S): Akzo Nobel N.V., Velperweg 76, 6824 BM Arnhem, NL  
 PATENT APPL. NUMBER: 200754

AGENT: Schalkwijk, Pieter Cornelis, Akzo Nobel N.V.,  
 Velperweg 76, 6824 BM Arnhem, NL  
 AGENT NUMBER: 41222  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 833814	B1	20010509
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WO 9633967		19961031
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DESIGNATED STATES: BE DE ES FR GB IT NL

APPLICATION INFO.: EP 1996-908894 A 19960322

WO 1996-US3941 A 19960322

PRIORITY INFO.: US 1995-429337 A 19950426

CITED PATENT LIT.: EP 473380 A

WO 9208687 A

WO 9319038 A

US 2412113 A

US 2703798 A

CITED NON PATENT LIT.: (1) DATABASE WPI Section Ch, Week 9445 4 January 1995  
 Derwent Publications Ltd., London, GB; Class D21, AN  
 94-365300 XP002059974 & SU 1 825 782 A (UNIV TVER) , 7  
 July 1993

L15 ANSWER 2 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1991:55954 EPFULL

DATA UPDATE DATE: 19950308

DATA UPDATE WEEK: 199510

TITLE (ENGLISH): IMPROVED CATALYZED PROCESS FOR GLUCAMIDE DETERGENTS

TITLE (FRENCH): PROCEDE CATALYSE AMELIORE POUR DES DETERGENTS A BASE DE  
 GLUCAMIDE

TITLE (GERMAN): KATALYTISCHES VERFAHREN FUER GLUCAMIDDETERGENZIEN

INVENTOR(S): CONNOR, Daniel, Stedman, 9217 Sagemeadow Drive,  
 Cincinnati, OH 45239, US; SCHEIBEL, Jeffrey, John,  
 10400 Buxton Lane, Cincinnati, OH 45242, US; KAO,  
 Ju-Nan, 9505 Hopewell Road, Cincinnati, OH 45249, US  
 PATENT APPLICANT(S): THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE  
 COMPANY, THE), One Procter & Gamble Plaza, Cincinnati,  
 Ohio 45202, US

PATENT APPL. NUMBER: 200173

AGENT: Canonici, Jean-Jacques, et al, Procter & Gamble  
 European Technical Center N.V. Temselaan 100, 1853  
 Strombeek-Bever, BE

AGENT NUMBER: 57861

DOCUMENT TYPE: Patent

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 550651	B1	19950308
WO 9206072		19920416
DE ES FR GB IT NL		
EP 1991-918308	A	19910925
WO 1991-US6987	A	19910925
US 1990-590639	A	19900928
WO 8304412	A	
US 2703798	A	

DESIGNATED STATES:  
 APPLICATION INFO.:

PRIORITY INFO.:  
 CITED PATENT LIT.:

L15 ANSWER 3 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1991:55711 EPFULL  
 DATA UPDATE DATE: 19941130  
 DATA UPDATE WEEK: 199448  
 TITLE (ENGLISH): PHASE TRANSFER ASSISTED PROCESS FOR GLUCAMIDE  
 DETERGENTS  
 TITLE (FRENCH): PROCEDE ASSISTE PAR TRANSFERT DE PHASE DESTINE A DES  
 DETERGENTS A BASE DE GLUCAMIDE  
 TITLE (GERMAN): PHASE-TRANSFER-VERFAHREN FUEr GLUCAMIDDETERGENTIEN  
 INVENTOR(S): CONNOR, Daniel, Stedman, 9217 Sagemeadow Drive,  
 Cincinnati, OH 45239, US; SCHEIBEL, Jeffrey, John,  
 10400 Buxton Lane, Cincinnati, OH 45242, US; KAO,  
 Ju-Nan, 9505 Hopewell Road, Cincinnati, OH 45249, US  
 PATENT APPLICANT(S): THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE  
 COMPANY, THE), One Procter & Gamble Plaza, Cincinnati,  
 Ohio 45202, US  
 PATENT APPL. NUMBER: 200173  
 AGENT: Canonici, Jean-Jacques, et al, Procter & Gamble  
 European Technical Center N.V. Temselaan 100, 1853  
 Strombeek-Bever, BE  
 AGENT NUMBER: 57861  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 550632	B1	19941130
WO 9206071		19920416
AT BE CH DE DK ES FR GB GR IT LI LU NL SE		
EP 1991-917936	A	19910925
WO 1991-US6986	A	19910925
US 1990-590389	A	19900928
WO 8304412	A	

DESIGNATED STATES:  
 APPLICATION INFO.:

PRIORITY INFO.:  
 CITED PATENT LIT.:

Serial No.: 10/585041\_B

US 2703798

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L15 ANSWER 4 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1991:55452 EPFULL  
DATA UPDATE DATE: 19941130  
DATA UPDATE WEEK: 199448  
TITLE (ENGLISH): HIGH CATALYST PROCESS FOR GLUCAMIDE DETERGENTS  
TITLE (FRENCH): PROCEDE A FORTE CONCENTRATION DE CATALYSEURS UTILISE  
POUR DES DETERGENTS A BASE DE GLUCAMIDE  
TITLE (GERMAN): VERFAHREN VON HOHEM KATALYSATORGEHALT ZUR HERSTELLUNG  
VON GLUCAMIDE ENTHALTENDEN REINUNGSMITTELN  
INVENTOR(S): CONNOR, Daniel, Stedman, 9217 Sagemeadow Drive,  
Cincinnati, OH 45239, US; SCHEIBEL, Jeffrey, John,  
10400 Buxton Lane, Cincinnati, OH 45242, US; KAO,  
Ju-Nan, 9505 Hopewell Road, Cincinnati, OH 45249, US  
PATENT APPLICANT(S): THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE  
COMPANY, THE), One Procter & Gamble Plaza, Cincinnati,  
Ohio 45202, US  
PATENT APPL. NUMBER: 200173  
AGENT: Canonici, Jean-Jacques, et al, Procter & Gamble  
European Technical Center N.V. Temselaan 100, 1853  
Strombeek-Bever, BE  
AGENT NUMBER: 57861  
DOCUMENT TYPE: Patent  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
LANGUAGE OF PROCEDURE: English  
LANGUAGE OF TITLE: German; English; French  
PATENT INFO TYPE: EPB1 Granted patent  
PATENT INFORMATION:  
PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
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EP 550603	B1	19941130
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WO 9206070		19920416
DESIGNATED STATES:	BE DE ES FR GB IT NL	
APPLICATION INFO.:	EP 1991-917540	A 19910925
	WO 1991-US6985	A 19910925
PRIORITY INFO.:	US 1990-590638	A 19900928
CITED PATENT LIT.:	EP 220676	A
	WO 8304412	A
	US 3257436	A

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(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1 0 S SOLID (3W) BASIC (3W) ABSORBENT  
L2 86 S SOLID (S) BASIC (S) ABSORBENT  
L3 25 S L2 AND ALUMINA  
L4 1 S L3 AND BIODIESEL  
L5 0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

L6 0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE  
 L7 0 S L2 AND TRANSESTERIFICATION  
 L8 2 S L2 AND ESTERIFICATION  
 L9 1532 S BASIC (3W) ALUMINA  
 L10 3 S L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)  
 L11 1 S L9 AND BIODIESEL  
 L12 358 S BASIC (3W) CLAY  
 L13 0 S L12 AND (FATTY (W) ACID (W) METHYL (W) ESTER)  
 L14 244 S BASIC (W) SILICA  
 L15 4 S L14 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s bauxite

L16 19138 BAUXITE

=> s l16 and (FATTY (W) ACID (W) METHYL (W) ESTER)

L17 7 L16 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> d l17 1-7 ibib abs

L17 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:612439 CAPLUS

DOCUMENT NUMBER: 143:117808

TITLE: Improved process for preparing fatty acid alkyl esters using as biodiesel

INVENTOR(S): Gupta, Ashok Kumar; Bhatnagar, Ajay Kumar; Kaul, Savita

PATENT ASSIGNEE(S): Council of Scientific and Industrial Research, India

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063954	A1	20050714	WO 2003-IN416	20031230
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2552371	A1	20050714	CA 2003-2552371	20031230
AU 2003290414	A1	20050721	AU 2003-290414	20031230
EP 1711588	A1	20061018	EP 2003-782777	20031230
R: AT, DE, FR, GB, IT				
BR 2003018651	A	20061128	BR 2003-18651	20031230
CN 1894390	A	20070110	CN 2003-80111007	20031230
IN 2004DN00397	A	20060310	IN 2004-DN397	20040220
US 20070282118	A1	20071206	US 2007-585041	20070612
PRIORITY APPLN. INFO.:			WO 2003-IN416	W 20031230
AB Fatty acid alkyl esters suitable for use as biodiesel are produced by a				

single step esterification of free fatty acids and transesterification of triglycerides from vegetable oils or animal fats or combinations thereof with a lower alc. (e.g. methanol) in presence of alkyl tin oxide as catalyst. Thus, such an improved process comprises the steps of, a. reacting fatty acid glycerides with an alc. having 1-4 carbon atoms in the molar ratio of 3:1 to 30:1 of fatty acids and triglycerides resp., at a temperature ranging between 70-300°, pressure in the range of 1-30 bar, in presence of a organometalic catalytic compound of Tin with concentration of catalyst is in the range of 0.01 to 3 weight percent of the fatty acid glycerides; b. obtaining ester with glycerol; c. separating the glycerin from the fatty acid alkyl ester as immiscible phase by decantation; d. purifying the fatty acid alkyl esters by washing with water, and e. washed ester is treated with an basic adsorbent to obtain biodiesel.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:200132 CAPLUS

DOCUMENT NUMBER: 140:220453

TITLE: Hardenable furfuryl alcohol-based polymer-coated proppant particles for fracturing of petroleum wells

INVENTOR(S): Nguyen, Philip D.; Barton, Johnny A.

PATENT ASSIGNEE(S): Halliburton Energy Services, Inc., USA

SOURCE: Eur. Pat. Appl., 1 p.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1396606	A2	20040310	EP 2003-255474	20030902
EP 1396606	A3	20040901		
EP 1396606	B1	20060802		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20040048752	A1	20040311	US 2002-235352	20020905
US 6887834	B2	20050503		
AU 2003204793	A1	20040325	AU 2003-204793	20030619
AU 2003204793	B2	20080710		
CA 2438288	A1	20040305	CA 2003-2438288	20030826
NO 2003003878	A	20040308	NO 2003-3878	20030902
MX 2003008019	A	20040310	MX 2003-8019	20030905

PRIORITY APPLN. INFO.: US 2002-235352 A 20020905

AB Hardenable resin compns. for coating of proppant particles, in petroleum recovery operations, comprises a furfuryl alc.-based hardenable resin, a solvent with flash point >125°F, a silane linking agent, and a surfactant for facilitating the coating of the resin on the proppant particles, which induces the hardenable resin to flow to the contact points between adjacent proppant particles. The fracturing fluid is based on such gelling agents as guar gum, guar gum derivs., and cellulose derivs. Bauxite is the preferred proppant. The composition can also include a hydrolyzable ester or a component to break the gelled fracturing fluid films on the proppant particles. Suitable solvents are dipropylene glycol Me ether dipropylene glycol di-Me ether, DMF, diethylene glycol Me ether, ethylene glycol Bu ether, diethylene glycol Bu ether, propylene

carbonate, Bu acetate, furfuryl acetate, d-limonene, or a fatty acid Me ester. Suitable surfactants include ethoxylated nonylphenol phosphate ester, cationic or ionic surfactants, and C12-22-alkylphosphonates.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2004:9107 EPFULL  
 UPDATE DATE PUBLICAT.: 20050928  
 DATA UPDATE DATE: 20050928  
 DATA UPDATE WEEK: 200539  
 TITLE (ENGLISH): Methods and compositions for consolidating proppant in subterranean fractures  
 TITLE (FRENCH): Methodes et compositions pour la consolidation d'agents de soutènement dans les fractures souterraines  
 TITLE (GERMAN): Verfahren und Zusammensetzungen zuer Stuetzmittelverfestigung in unterirdischen Frakturen  
 INVENTOR(S): Nguyen, Philip D., 1107 Jones Avenue, Duncan, Oklahoma 73533, US; Barton, Johnny A., 1002 N 2nd Street, Marlow, Oklahoma 73055, US; Isenberg, O. Marlene, 1290 Woodside, Duncan, Oklahoma 73533, US  
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box 1431, Duncan, OK 73533, US  
 PATENT APPL. NUMBER: 3198136  
 AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, GB  
 AGENT NUMBER: 37101  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPA1 Application published with search report  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1464789	A1	20041006
DESIGNATED STATES:	DE DK FR GB IT NL		
APPLICATION INFO.:	EP 2004-251819	A	20040326
PRIORITY INFO.:	US 2003-407643	A	20030404

ABEN

Proppant particles are coated on-the-fly with a hardenable resin composition, suspended in a fracturing fluid, and consolidated after being placed in fractures. These methods and compositions are especially suitable for low temperature wells, e.g. those in the 60°F to 225°F range. Preferably, a liquid hardenable resin component is mixed with a liquid hardening agent component on-the-fly to form a hardenable resin composition. The hardenable resin composition is coated onto proppant particles on-the-fly that are conveyed from a source thereof to form resin-coated proppant particles in real-time. The resin-coated proppant particles are suspended in the fracturing fluid to be utilized down hole.

L17 ANSWER 4 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN



ACCESSION NUMBER: 2003:111570 EPFULL  
 ENTRY DATE PUBLICATION: 20070124  
 UPDATE DATE PUBLICAT.: 20080102  
 DATA UPDATE DATE: 20080102  
 DATA UPDATE WEEK: 200801  
 TITLE (ENGLISH): METHODS OF COMPLETING WELLS IN UNCONSOLIDATED FORMATIONS  
 TITLE (FRENCH): PROCEDES DE COMPLETION DE PUITS DANS DES FORMATIONS NON CONSOLIDEES  
 TITLE (GERMAN): VERFAHREN ZUM KOMPLETTIEREN VON BOHRLOeCHERN IN LOCKEREN UNTERIRDISCHEN FORMATIONEN  
 INVENTOR(S): NGUYEN, Philip, D., 1107 Jones Avenue, Duncan, OK 73533, US  
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box Drawer 1431, Duncan, Oklahoma 73533, US  
 PATENT APPL. NUMBER: 526209  
 AGENT: Curtis, Philip Anthony, et al, A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, GB  
 AGENT NUMBER: 55274  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 1556581	B1	20070124
WO 2004035987		20040429
IT		
EP 2003-753811	A	20031016
WO 2003-GB4503	A	20031016
US 2002-272614	A	20021016
EP 864726	A	
EP 1130215	A	
EP 1318270	A	
WO 2002046574	A	
US 5381864	A	
US 6016870	A	
US 6311773	B1	
US 6446722	B1	

DESIGNATED STATES:  
 APPLICATION INFO.:  
 PRIORITY INFO.:  
 CITED PATENT LIT.:

L17 ANSWER 5 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:77183 EPFULL  
 ENTRY DATE PUBLICATION: 20050427  
 UPDATE DATE PUBLICAT.: 20050427  
 DATA UPDATE DATE: 20050427  
 DATA UPDATE WEEK: 200517  
 TITLE (ENGLISH): Consolidating proppant and controlling fines in wells  
 TITLE (FRENCH): Agent de soutènement se consolidant et controle de la finesse de particules dans des puits de forage  
 TITLE (GERMAN): Sich verfestigendes Stuetzmittel und Steuerung der

INVENTOR(S): Partikelfeinheit in Bohrlöchern  
 Nguyen, Philip D., 1107 Jones Avenue, Duncan, Oklahoma  
 73533, US; Weaver, Jim, Route 4, Box 230B1, Duncan,  
 Oklahoma 73533, US; Loghry, Ray, 1214 East Plato Road,  
 Duncan, Oklahoma 73533, US  
 PATENT APPLICANT(S): Halliburton Energy Services, Inc., P.O. Box 1431,  
 Duncan, Oklahoma 73536, US  
 PATENT APPL. NUMBER: 2244460  
 AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235  
 High Holborn, London WC1V 7LE, GB  
 AGENT NUMBER: 37101  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPA3 Separate publication of search report  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1403466	A3	20050427
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI		
	LU MC NL PT RO SE SI SK TR		
EXTENSION STATES:	AL LT LV MK		
APPLICATION INFO.:	EP 2003-254267	A	20030704
PRIORITY INFO.:	US 2002-260888	A	20020930

ABEN

Proppant particles coated with a tacky resin coating are suspended in a gelled liquid fracturing fluid and conveyed into formations where the resin hardens to weakly consolidate the proppant particles so that fines will stick to the proppant packs.

L17 ANSWER 6 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:69253 EPFULL  
 ENTRY DATE PUBLICATION: 20060803  
 UPDATE DATE PUBLICAT.: 20080604  
 DATA UPDATE DATE: 20080604  
 DATA UPDATE WEEK: 200823  
 TITLE (ENGLISH): Fracturing subterranean zones  
 TITLE (FRENCH): Fracturation de formations souterraines  
 TITLE (GERMAN): Frakturierung von unterirdischen Lagerstaetten  
 INVENTOR(S): Nguyen, Philip D., 1107 W. Jones Avenue, Duncan,  
 Oklahoma 73533, US; Barton, Johnny A., 1002 N. 2nd  
 Street, Marlow, Oklahoma 73055, US  
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box 1431,  
 Duncan, Oklahoma 73536, US  
 PATENT APPL. NUMBER: 769404  
 AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235  
 High Holborn, London WC1V 7LE, GB  
 AGENT NUMBER: 37101  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1396606	B1	20060802
DESIGNATED STATES:	DE DK FR GB IT NL		
APPLICATION INFO.:	EP 2003-255474	A	20030902
PRIORITY INFO.:	US 2002-235352	A	20020905
CITED PATENT LIT.:	EP 864726	A	
	EP 1130215	A	
	EP 1326003	A	
	EP 1394355	A	
	US 3492147	A	
	US 4785884	A	

ABEN

Subterranean zones are fractured using a fracturing fluid containing proppant particles coated with a furfuryl alcohol resin composition. The coated proppant particles are deposited in the fractures and the resin coating hardens by heat to consolidate the proppant particles into chemical and thermal degradation resistant permeable packs.

L17 ANSWER 7 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:66229 EPFULL  
 ENTRY DATE PUBLICATION: 20070704  
 UPDATE DATE PUBLICAT.: 20080808  
 DATA UPDATE DATE: 20080806  
 DATA UPDATE WEEK: 200832  
 TITLE (ENGLISH): Subterranean fractures containing resilient proppant packs  
 TITLE (FRENCH): Fractures souterraines contenant des packs elastiques d'agents de soutienement  
 TITLE (GERMAN): Elastische Stuetzmittelpacks enthaltende unterirdische Frakturen  
 INVENTOR(S): Nguyen, Philip D., 1107 W. Jones Avenue, Duncan, OK 73533, US; Barton, Johnny A., 1002 N. 2nd Street, Marlow, OK 73055, US  
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box 1431, Duncan, Oklahoma 73536, US  
 PATENT APPL. NUMBER: 2244460  
 AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, GB  
 AGENT NUMBER: 37101  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1394355	B1	20070704
DESIGNATED STATES:	DE DK FR GB IT NL		
APPLICATION INFO.:	EP 2003-255150	A	20030820
PRIORITY INFO.:	US 2002-229587	A	20020828

Serial No.: 10/585041\_B

CITED PATENT LIT.:	EP 1326003	A
	US 3026938	A
	US 4942186	A
	US 20020048676	A1
	US 6257335	B1

ABEN

Subterranean fractures are packed with resilient proppant particles which prevent the production of sand and fines with produced fluids and prevent proppant flow-back in a subterranean zone penetrated by a well bore. As the fractures are formed, a liquid hardenable resin component is mixed with a liquid hardening agent component and a liquid rubber component to form a hardenable resin composition. The hardenable resin composition is coated onto dry proppant particles which are suspended in the fracturing fluid and placed in the fractures. The hardenable resin composition on the resin composition coated proppant particles is allowed to harden and consolidate the proppant particles into high strength resilient permeable packs.

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(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1	0 S SOLID (3W) BASIC (3W) ABSORBENT
L2	86 S SOLID (S) BASIC (S) ABSORBENT
L3	25 S L2 AND ALUMINA
L4	1 S L3 AND BIODIESEL
L5	0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
L6	0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE
L7	0 S L2 AND TRANSESTERIFICATION
L8	2 S L2 AND ESTERIFICATION
L9	1532 S BASIC (3W) ALUMINA
L10	3 S L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
L11	1 S L9 AND BIODIESEL
L12	358 S BASIC (3W) CLAY
L13	0 S L12 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
L14	244 S BASIC (W) SILICA
L15	4 S L14 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
L16	19138 S BAUXITE
L17	7 S L16 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

STN INTERNATIONAL LOGOFF AT 09:50:09 ON 25 MAR 2009